30 January 1962

STATINTL MEMORANDUM FOR: [redacted]
Hq SAC, DIMG, Offutt AFB, Nebraska

STATINTL FROM: [redacted]

SUBJECT: Floor Plans

1. Enclosed are the plans you requested from [redacted] STATINTL

2. The plans are lettered in the order of preference, i.e., "A", the size and shape we have, is the best; "B" is second best; and "C" is the bare minimum and will present many problems in terms of space.

3. Our experience has shown that:

a. The 80 psi air supply in the printer (small gas bottle) is not adequate. If a 80 psi compressor is not available, plan to have two large gas bottles (one in use, one as a spare) mounted outside the enclosure with adequate piping into the enclosure.

b. It is well to plan for an input supply of fifty amperes at 220 V AC. This will take care of the equipment, fan, lamps, oscilloscopes, etc.

c. The ventilation system in your building should be able to handle the heat developed by the fifty ampere 220 volt, power input. This heat load would amount to about 35,000 to 40,000 BTV per hour. If the ambient air temperature in the enclosure gets much above 80° F. the transistor in the rectifier will go into a thermal runaway and develop a short. STATINTL I believe that [redacted] recommended an air conditioner as a part of the enclosure. This will remedy the heat problem.

4. In addition to the space data, please provide for the enclosure designer:

a. Maximum and minimum incoming air temperature.

b. Approximate flow, in cubic feet per minute of incoming air.

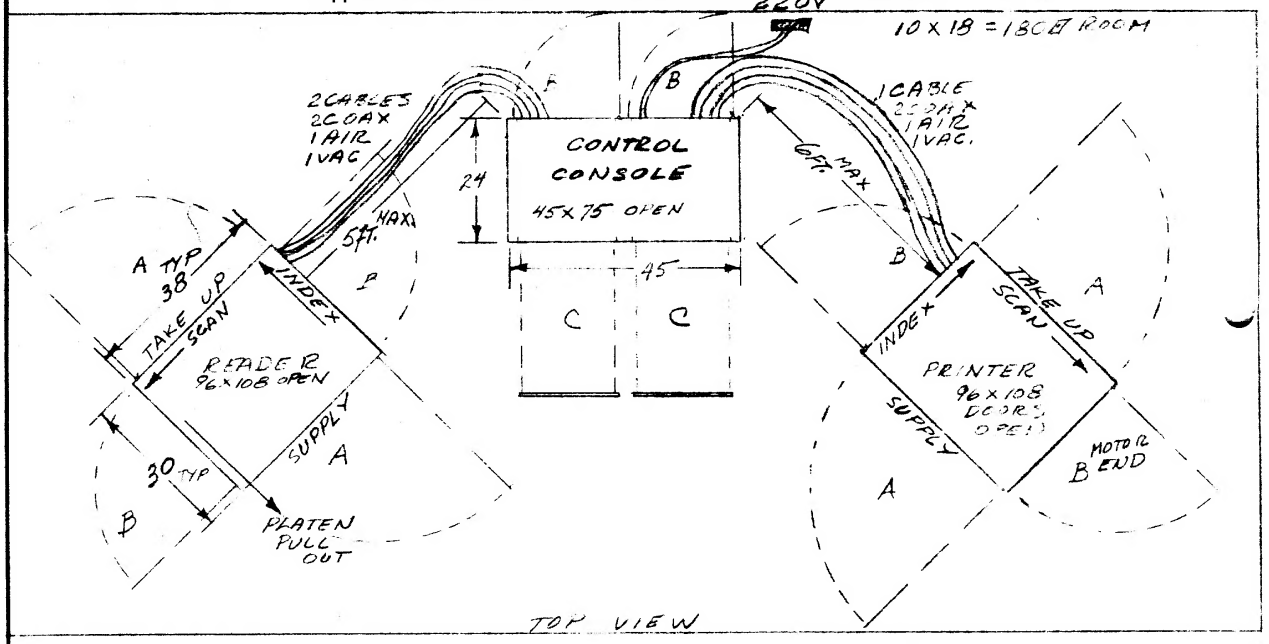
c. Approximate flow in CFM, of exhaust duct facilities.

d. Location of exhaust duct in relation to floor plan.

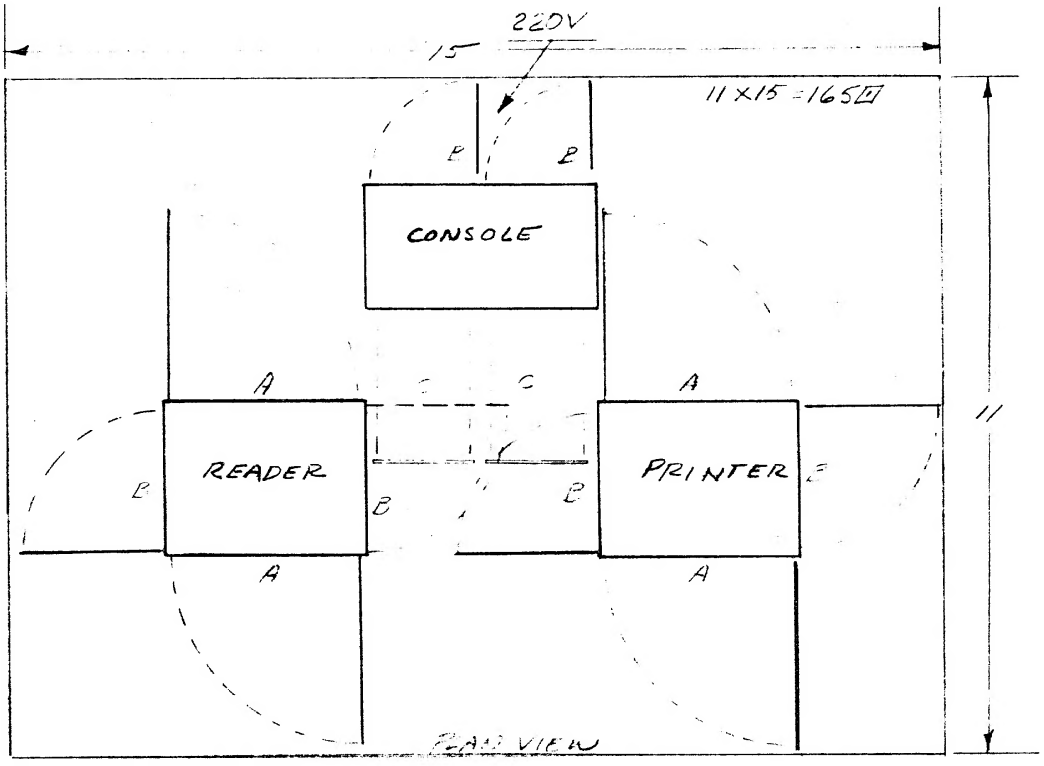
STATINTL

[redacted]

2 Enclosures (Floor plans of rectifier)



"A" DOORS FOR NORMAL OPERATION
"B" DOORS FOR OCCASIONAL MAINTENANCE
"C" DRAWERS PULL OUT & TILT FOR MAINT.



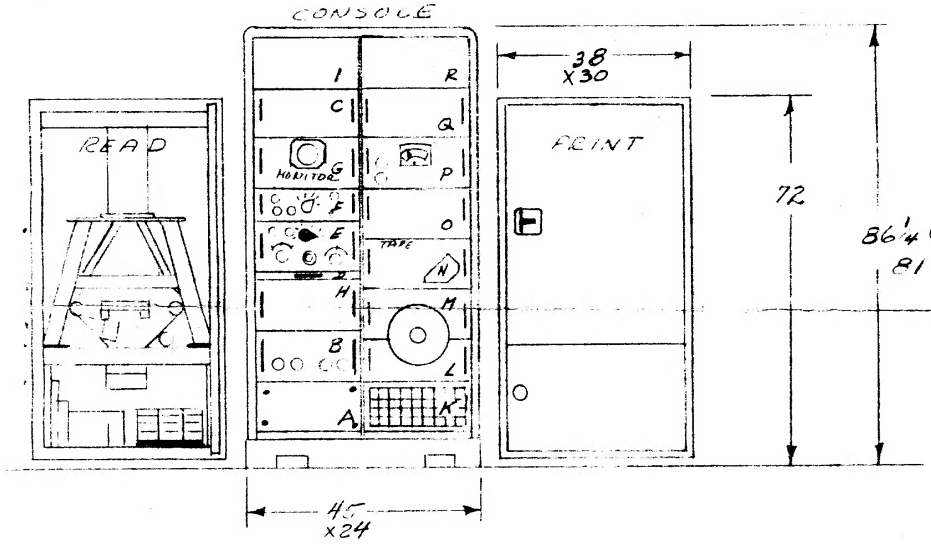
ALTERNATE

CHG.	DATE	REVISION	APPR.

CONSOLE

A BLANK - SOLA TRANS.
B ± 300 V
C INDEX SERVO
D WRITING SURFACE
E SWEEP GENERATOR
F VIDEO CONTROL
G SCOPE MONITOR
H 125 V & 6.3 V
J OPEN
K BLOWER
L 26 V - 12 V & 6.3 V
M TRANSPORT TAPE & 300 V PS
N TAPE READER
O SCAN COMMUTATOR
P SCAN COMPARATOR
Q SERVO AMP
R OPEN

CONSOLE

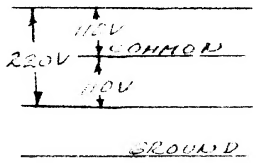


823210

JAN 13 1961

INSTALLATION

A. POWER - 220 VAC 60 ~ 20 AMPERES - BALANCED LOAD
B. AIR PRESSURE 80 PSI
C. PHOTOGRAPHIC DARK ROOM
D. AM B. TEMP. 70°F ROOM ± 5°



NEXT ASSEM. INSTALL	INSTALLATION
SCALE 1/2 = 1/2	NAME
REQ. ONE	MATERIAL
DEC. ANG. FRACT. TOL. UNLESS SPECIFIED	DATE 2-1-60 DRAWN [redacted] CHECKED [redacted] APPROVED
[redacted]	823210 DRAWING NO